

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

FIG. 1

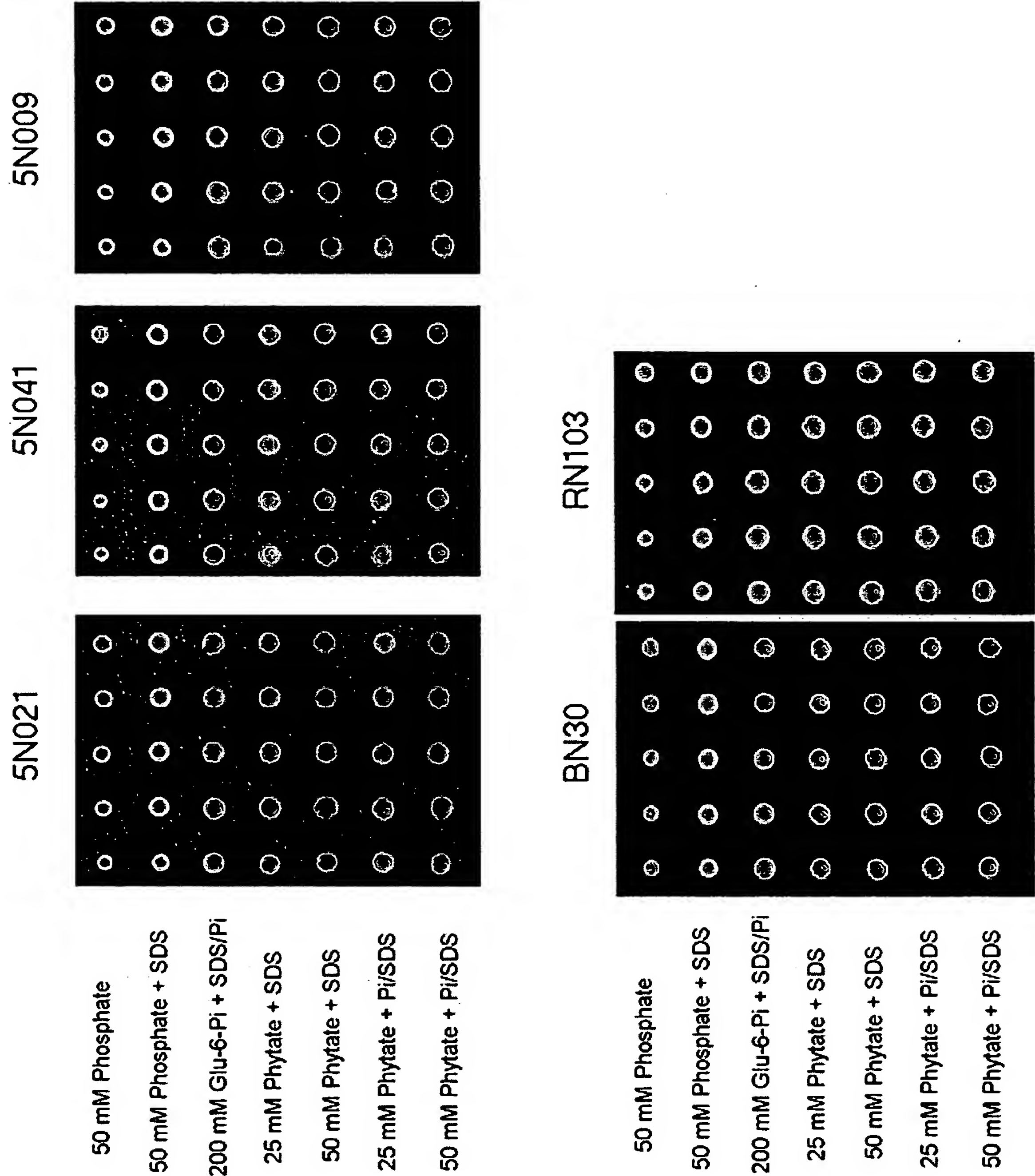
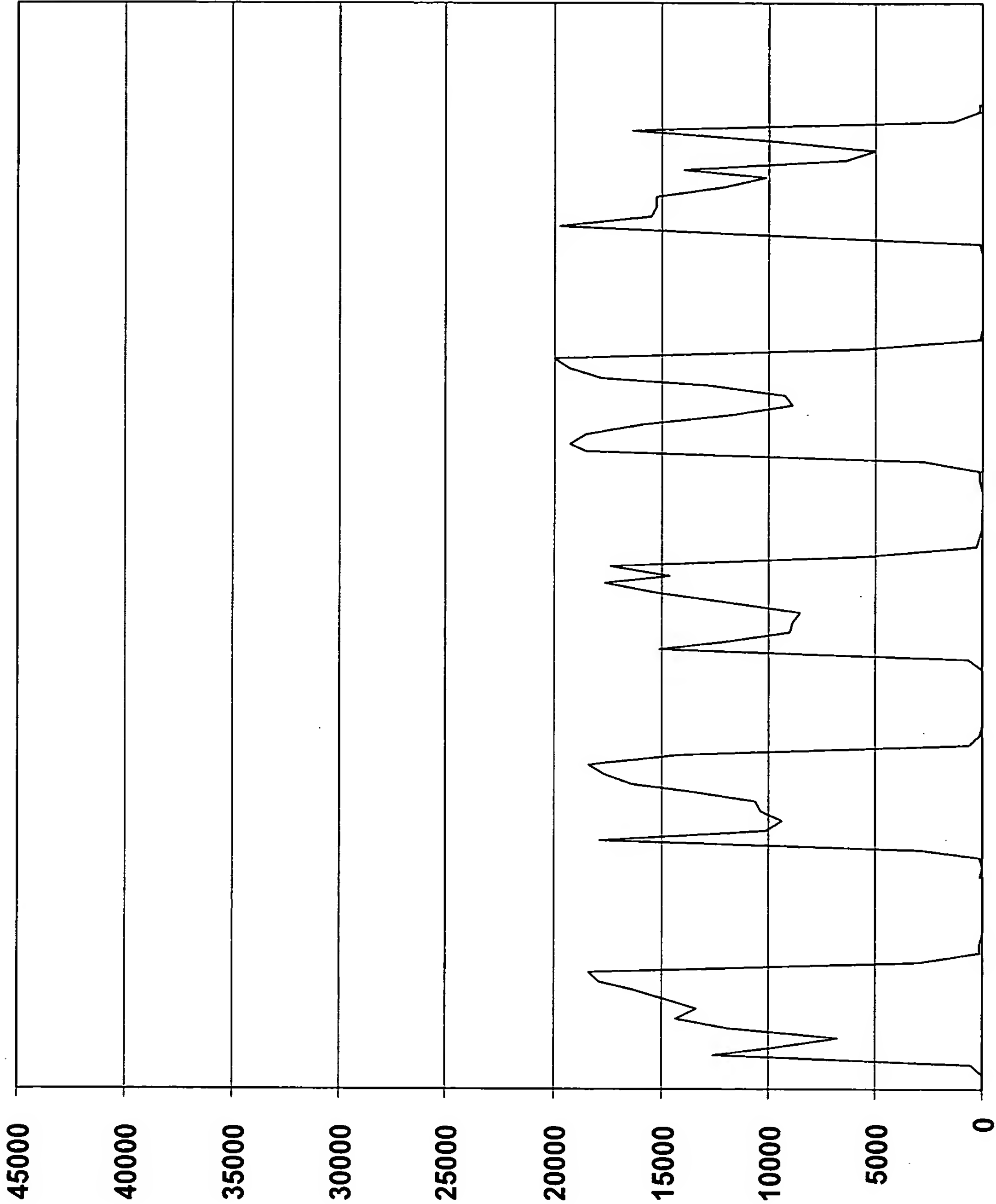


FIG. 2A



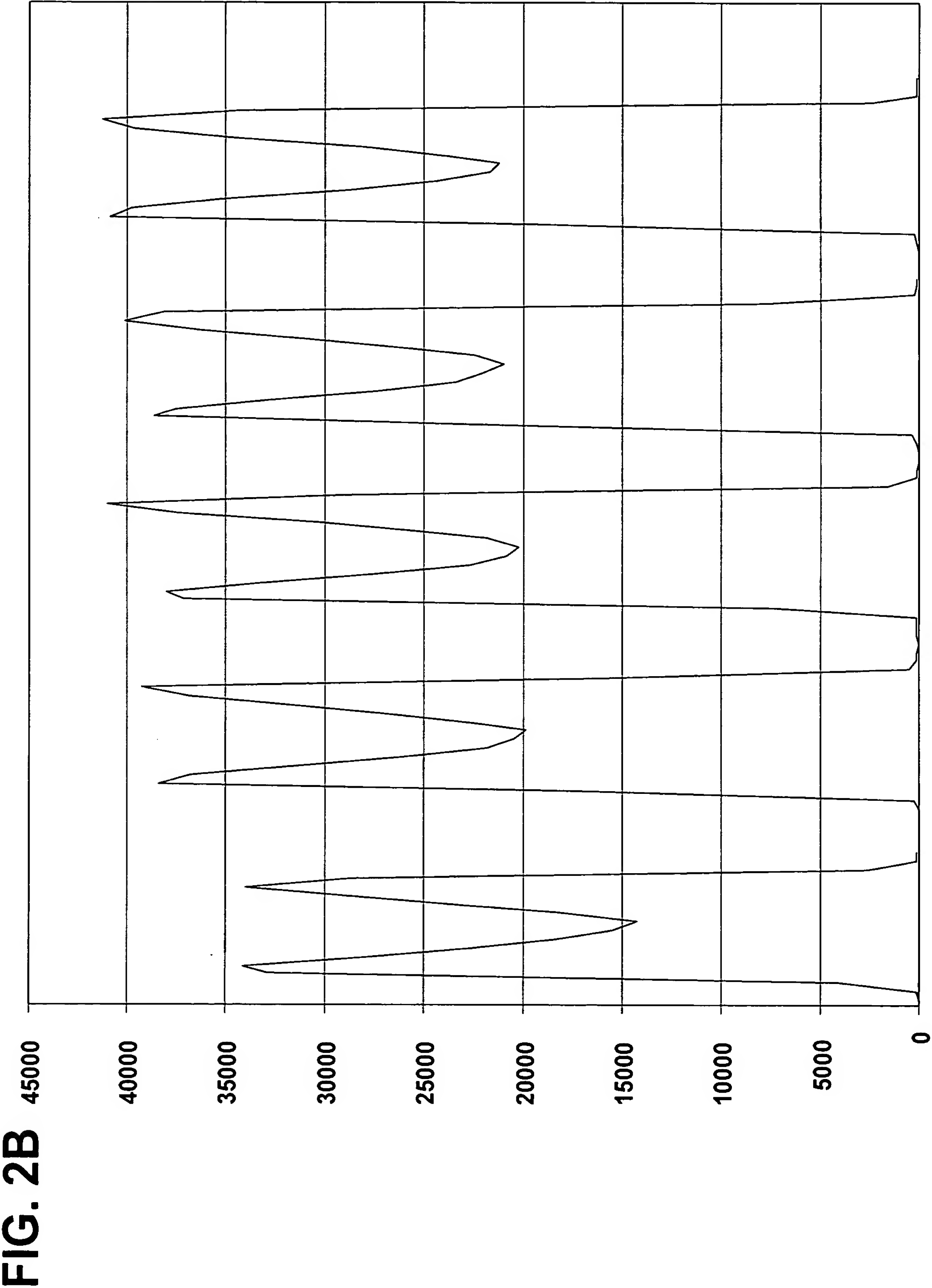


FIG. 2C

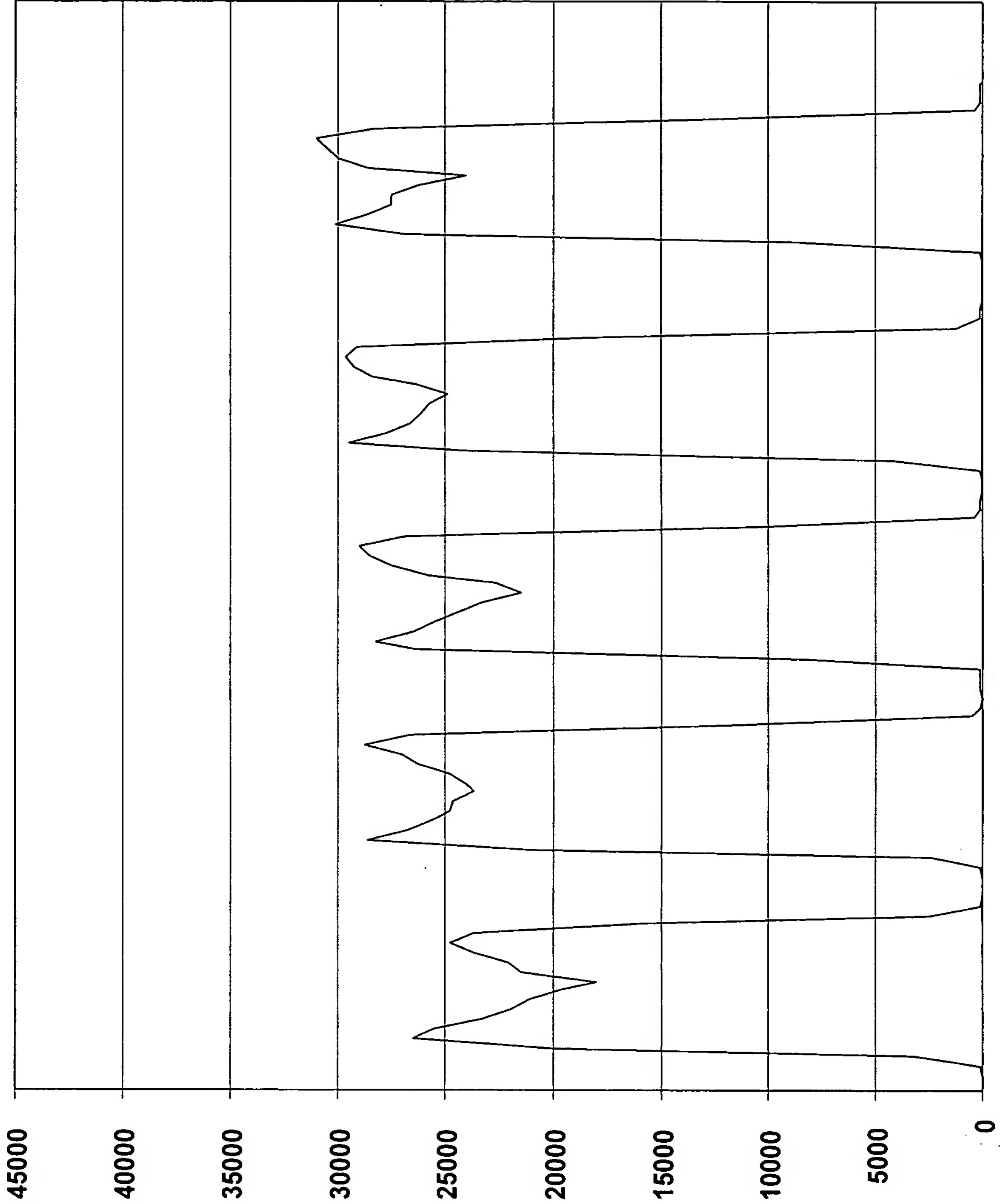
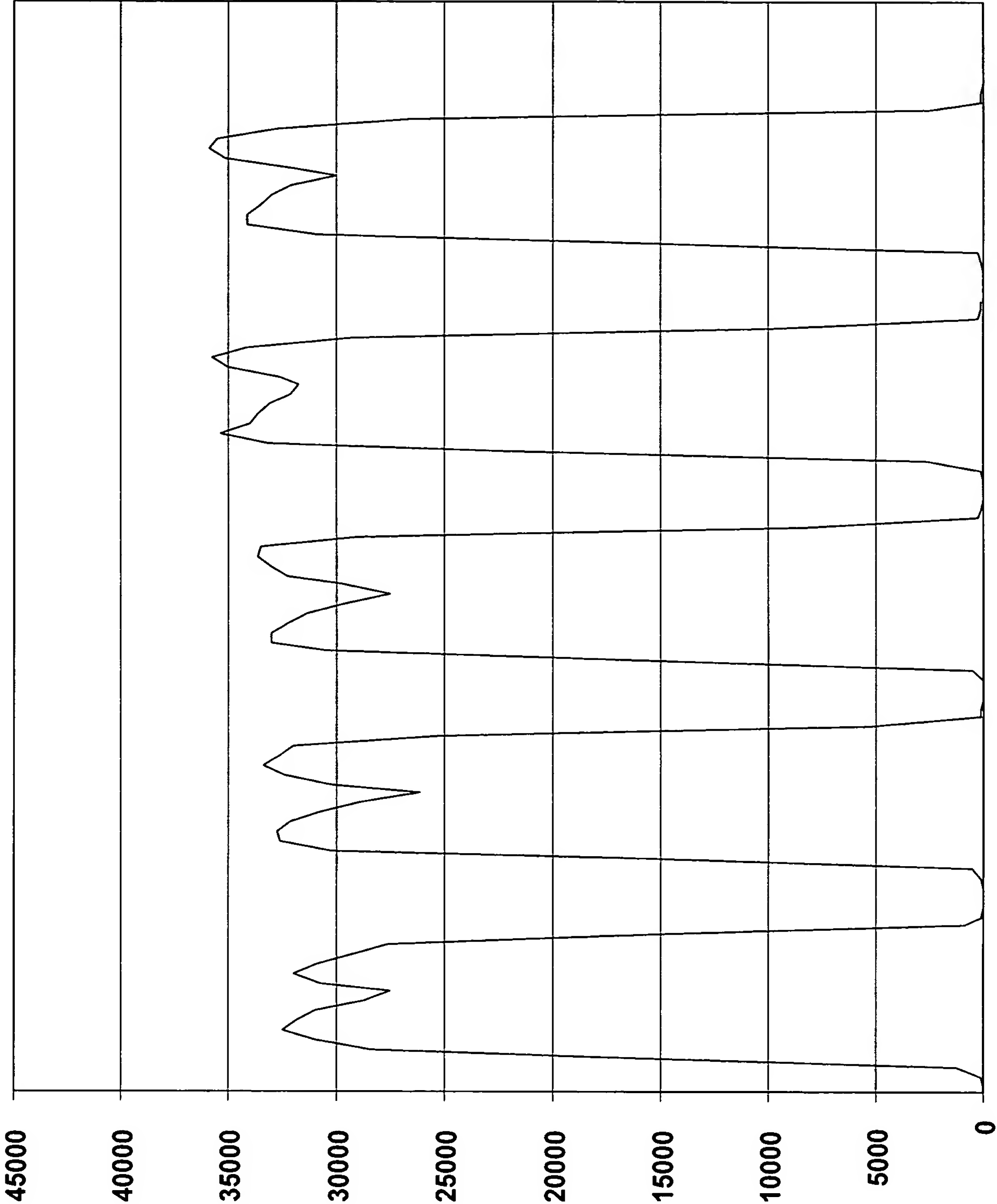


FIG. 2D



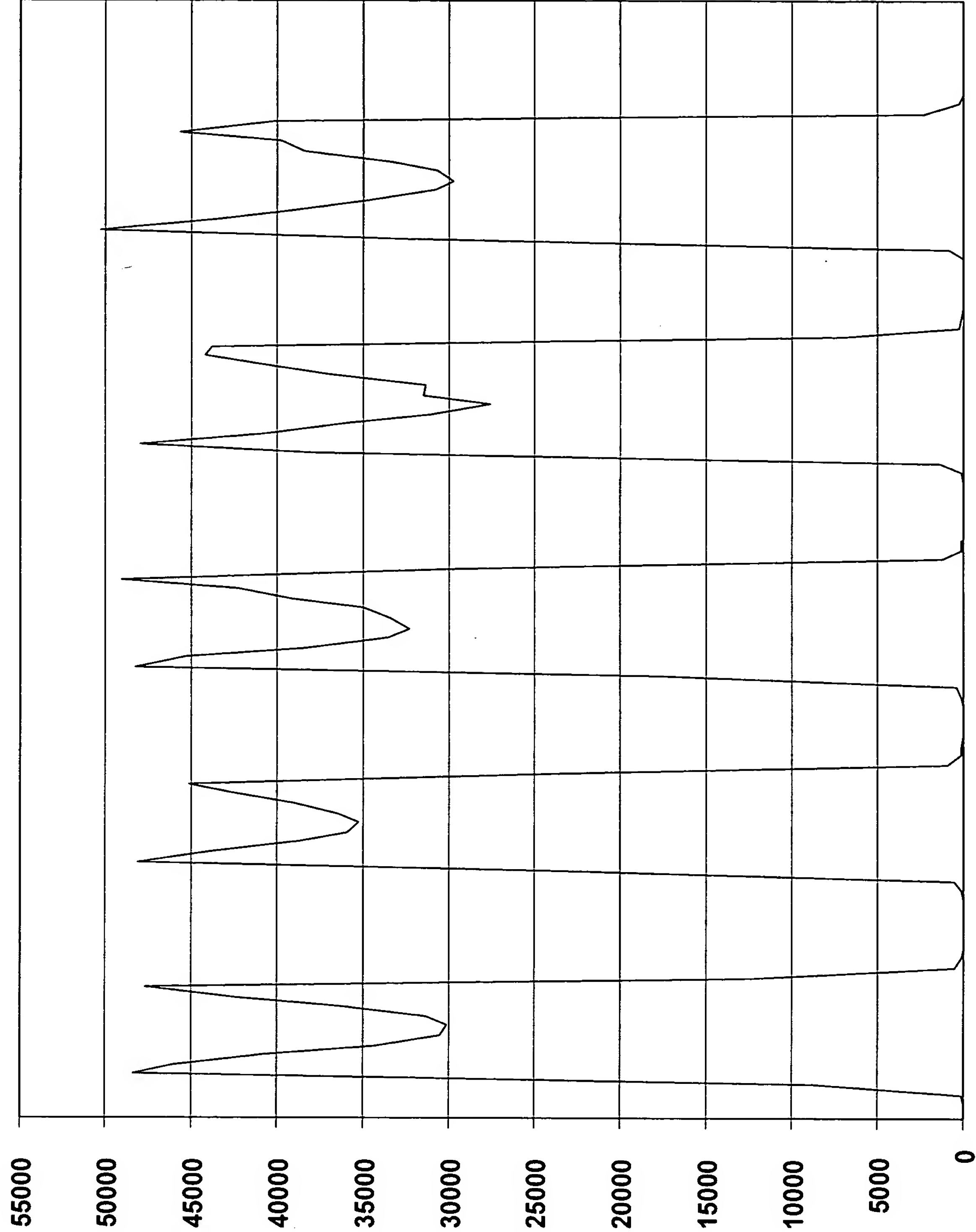


FIG. 3A

FIG. 3B

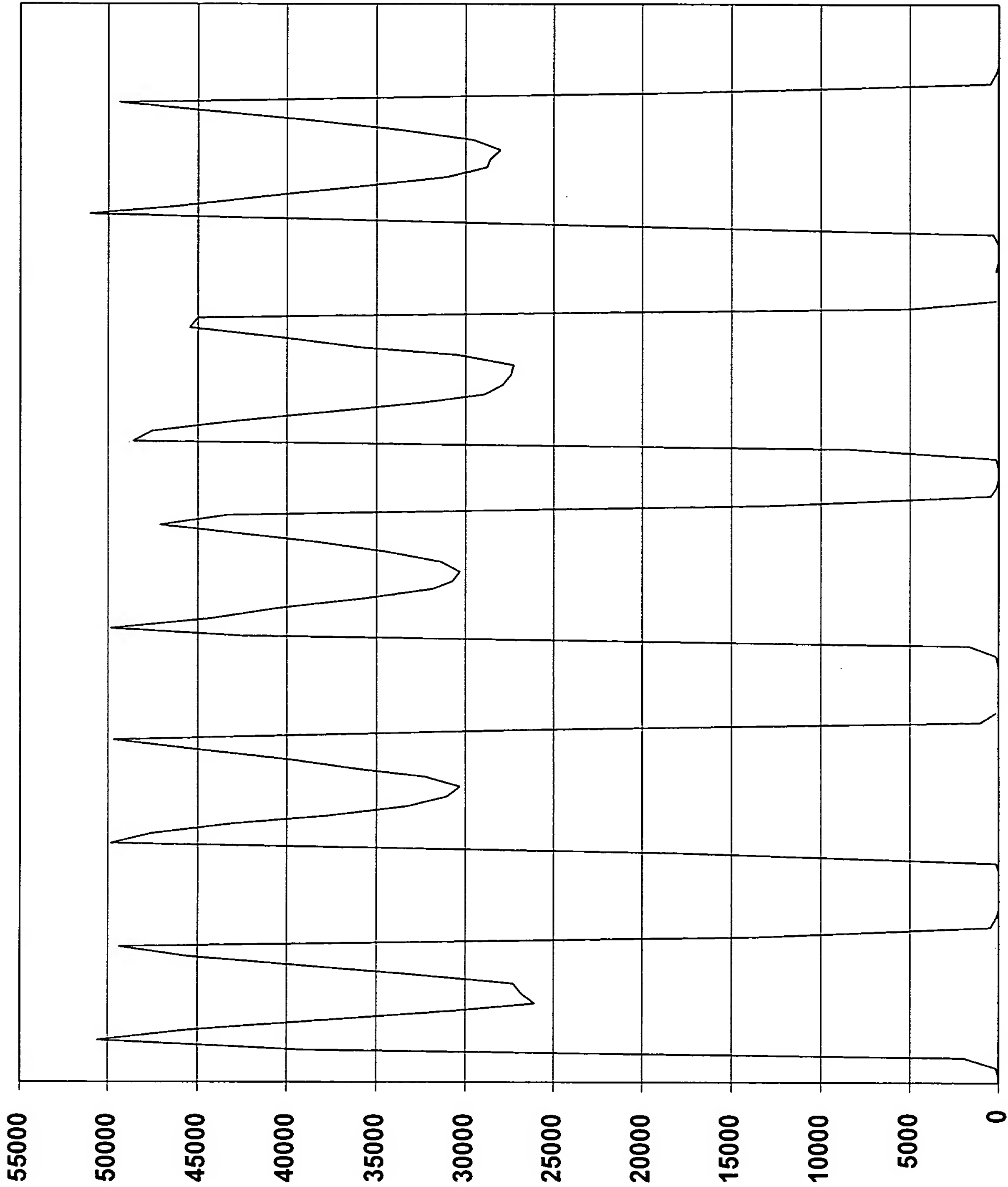


FIG. 3C

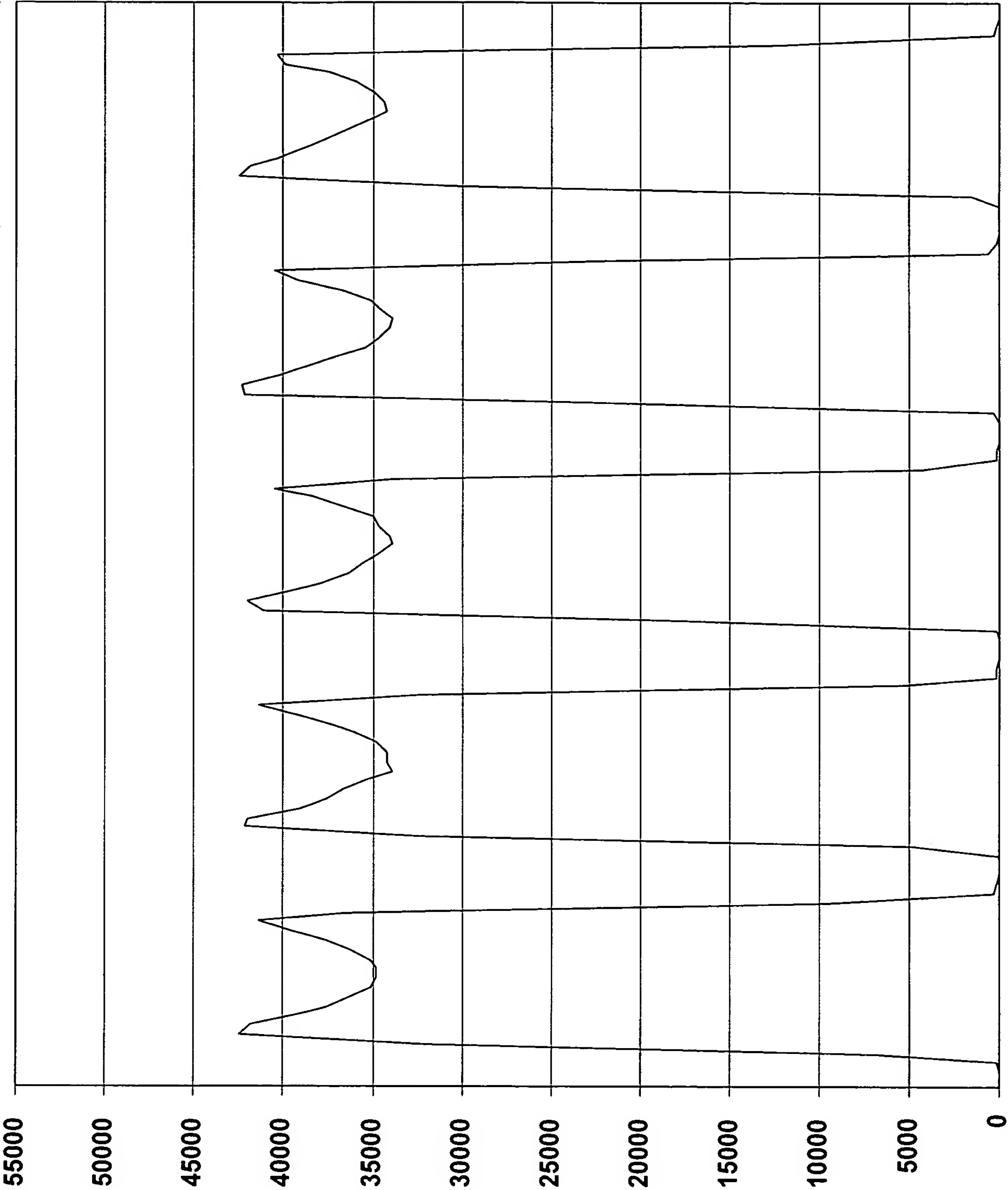
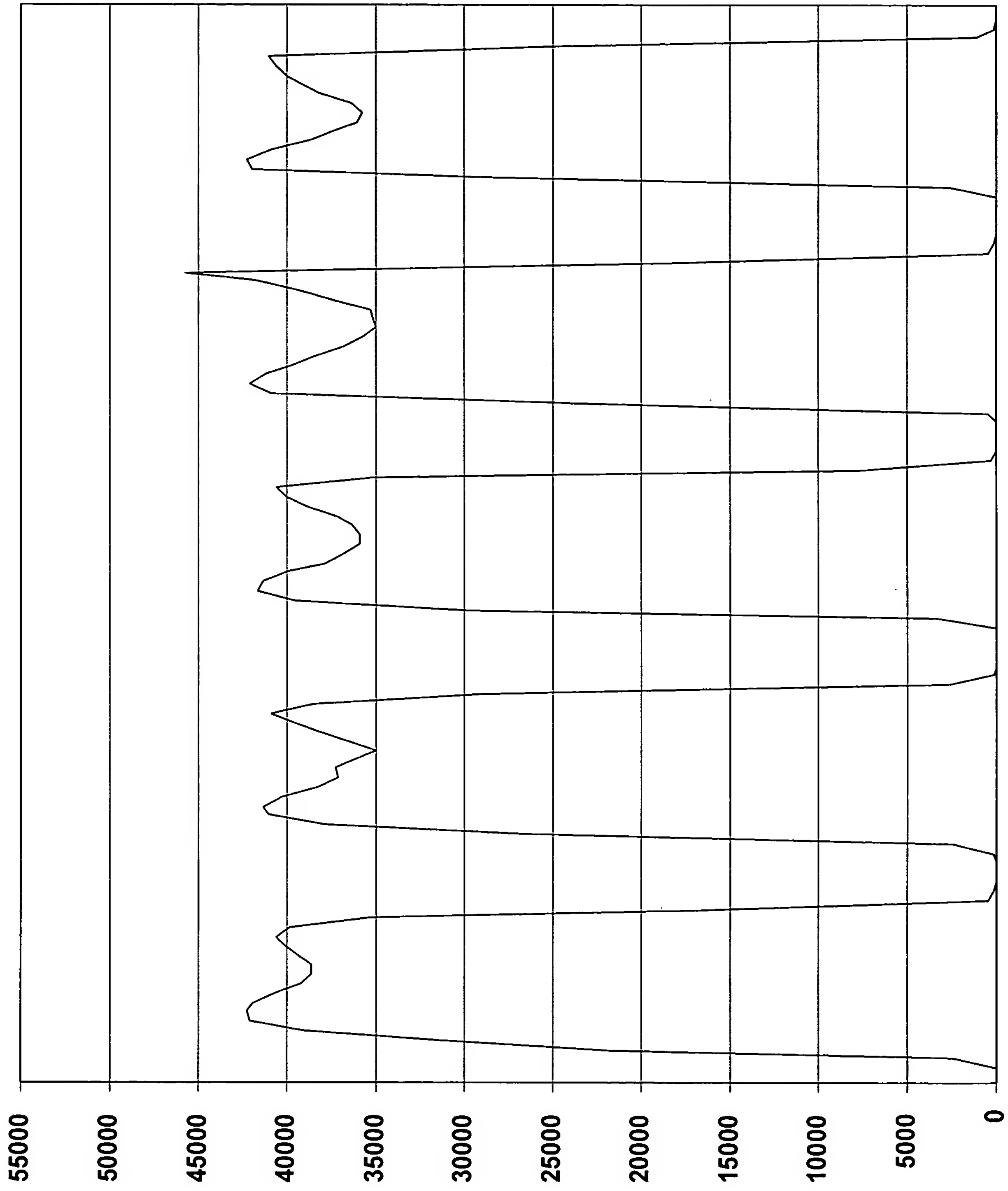
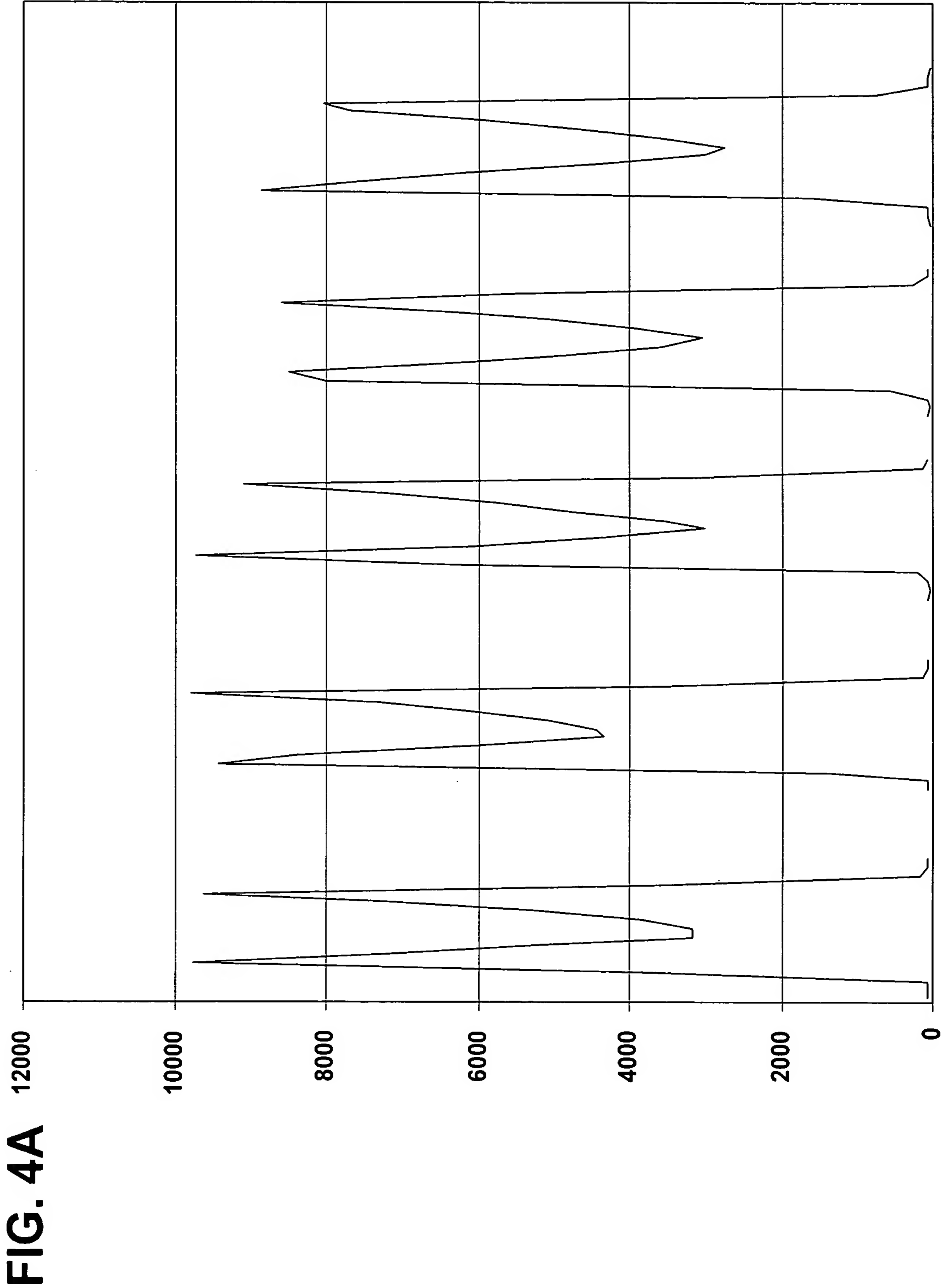
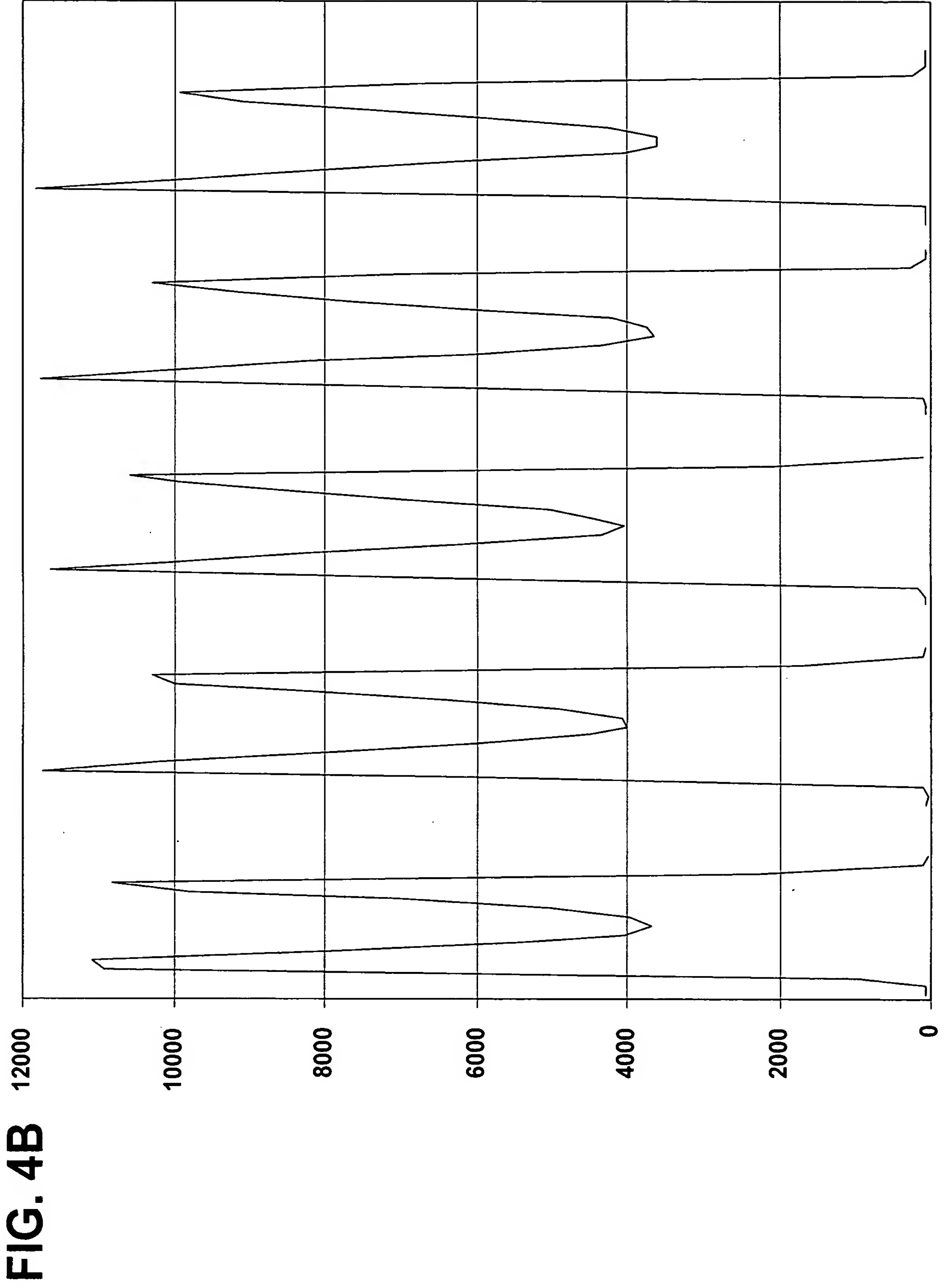
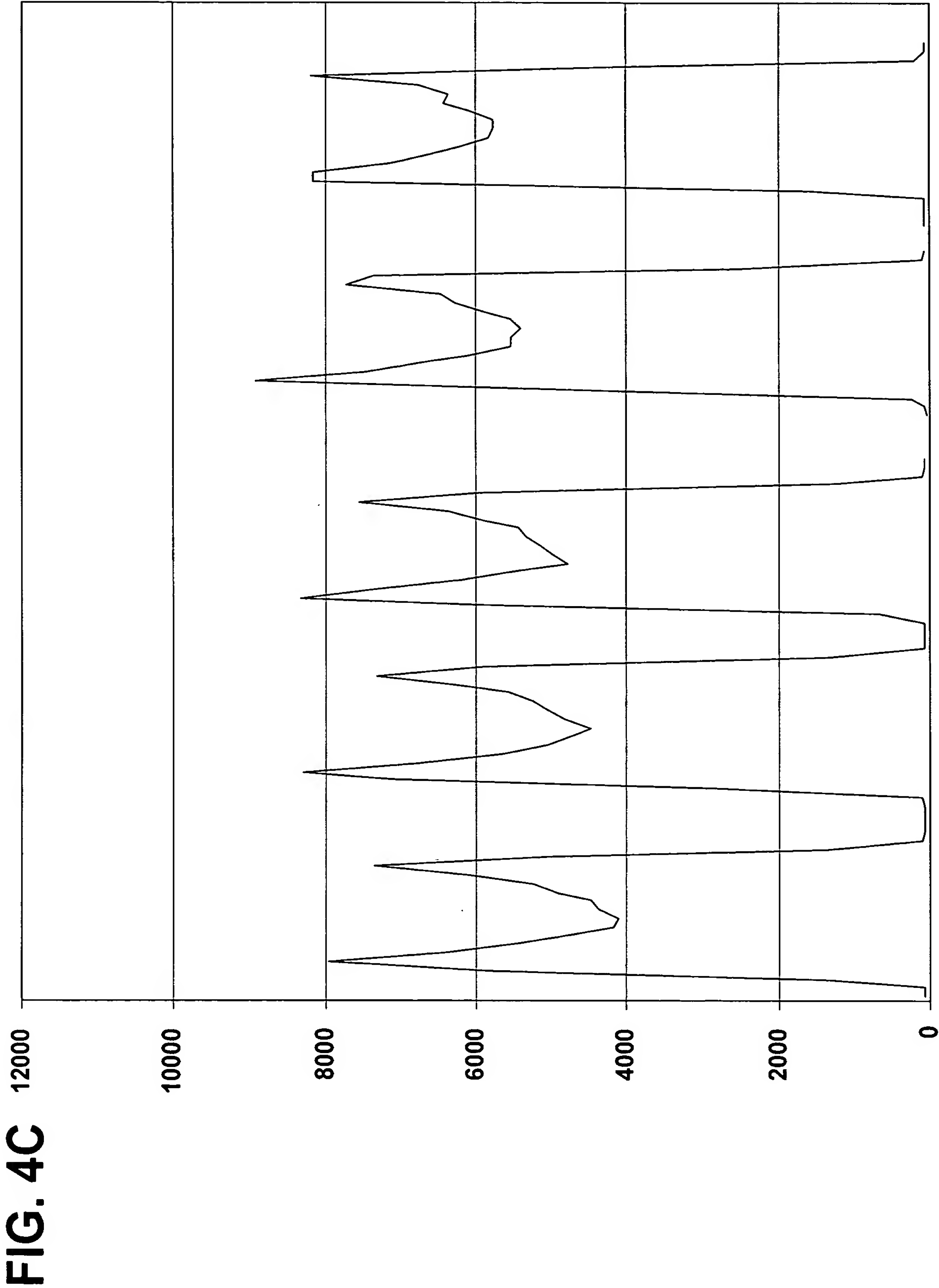


FIG. 3D









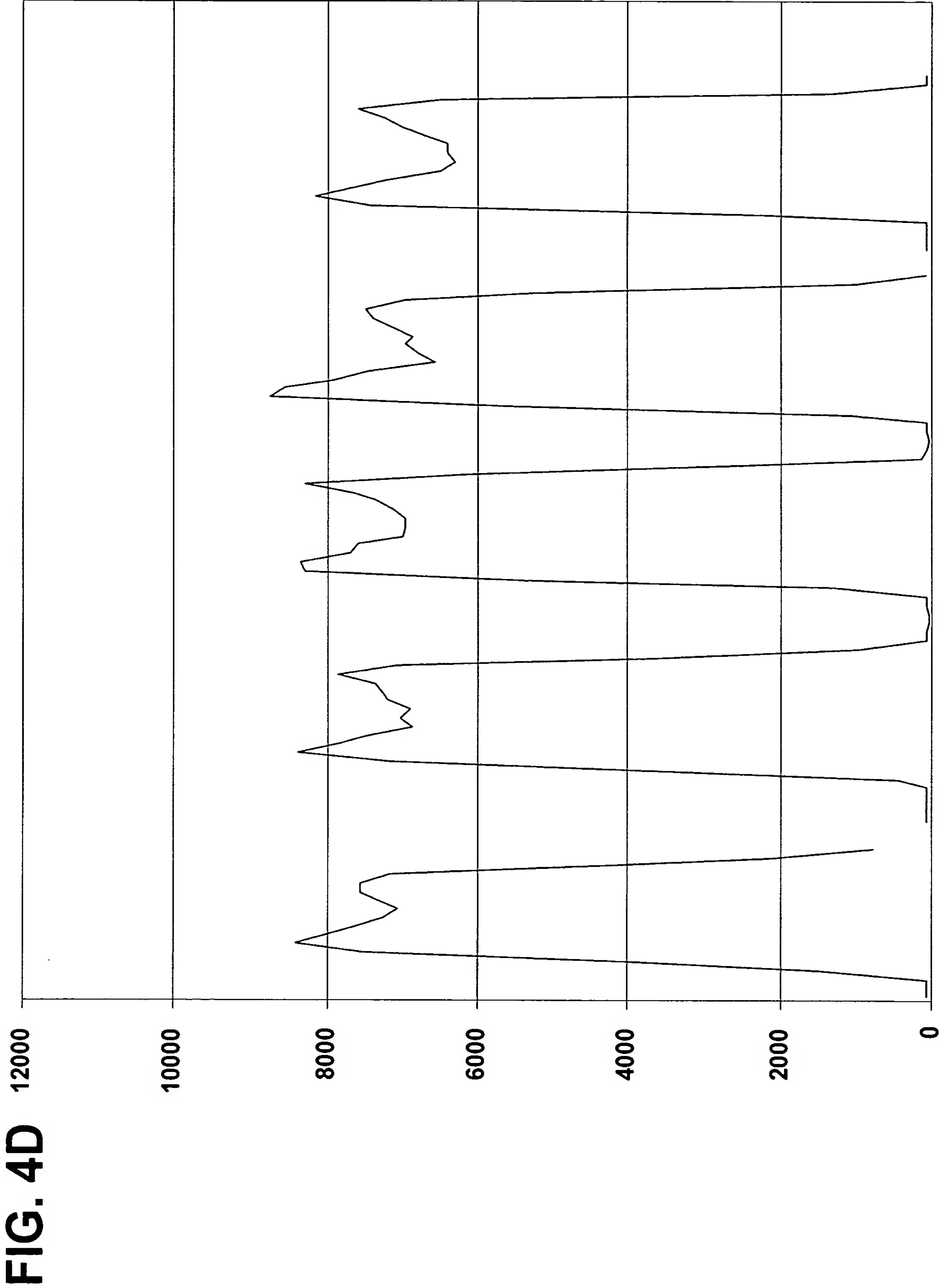
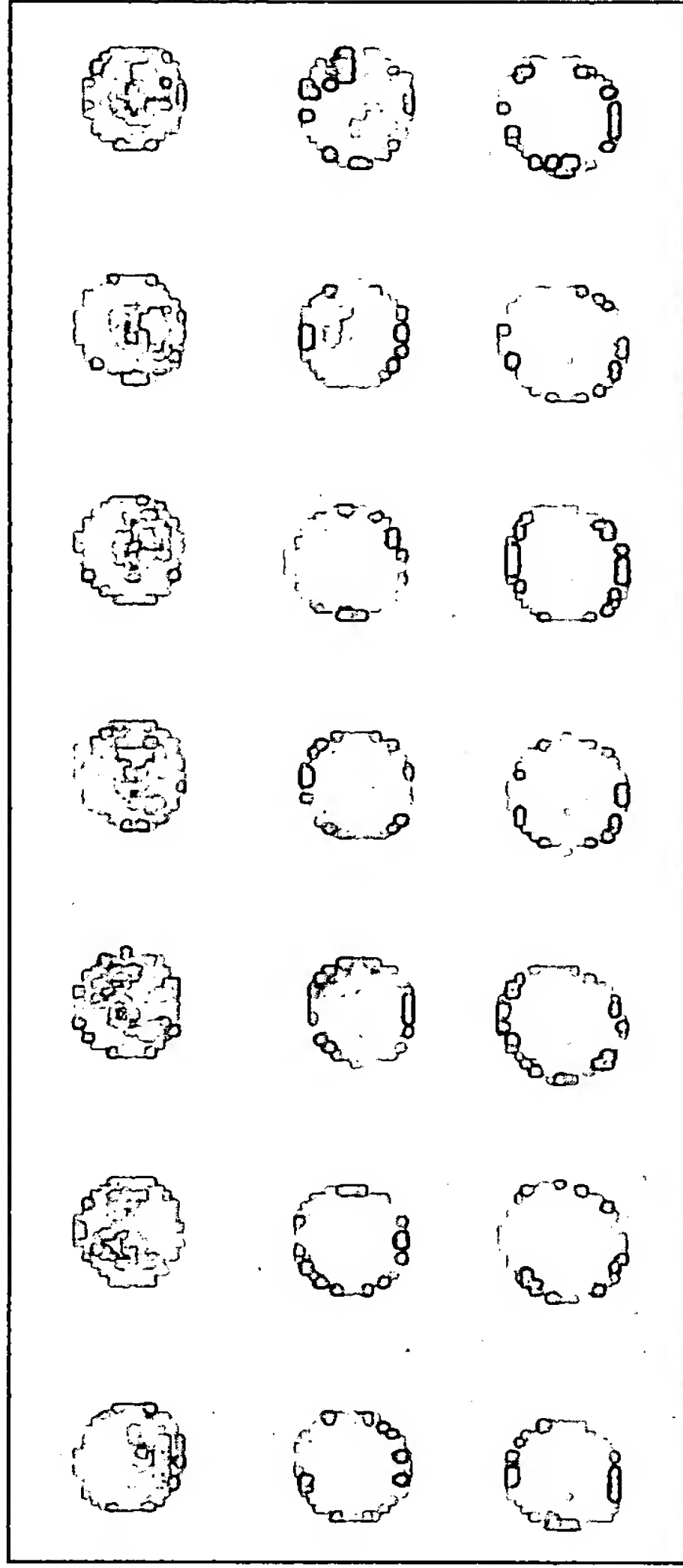


FIG. 5

NC30 Oligo - Bound Oligo Density

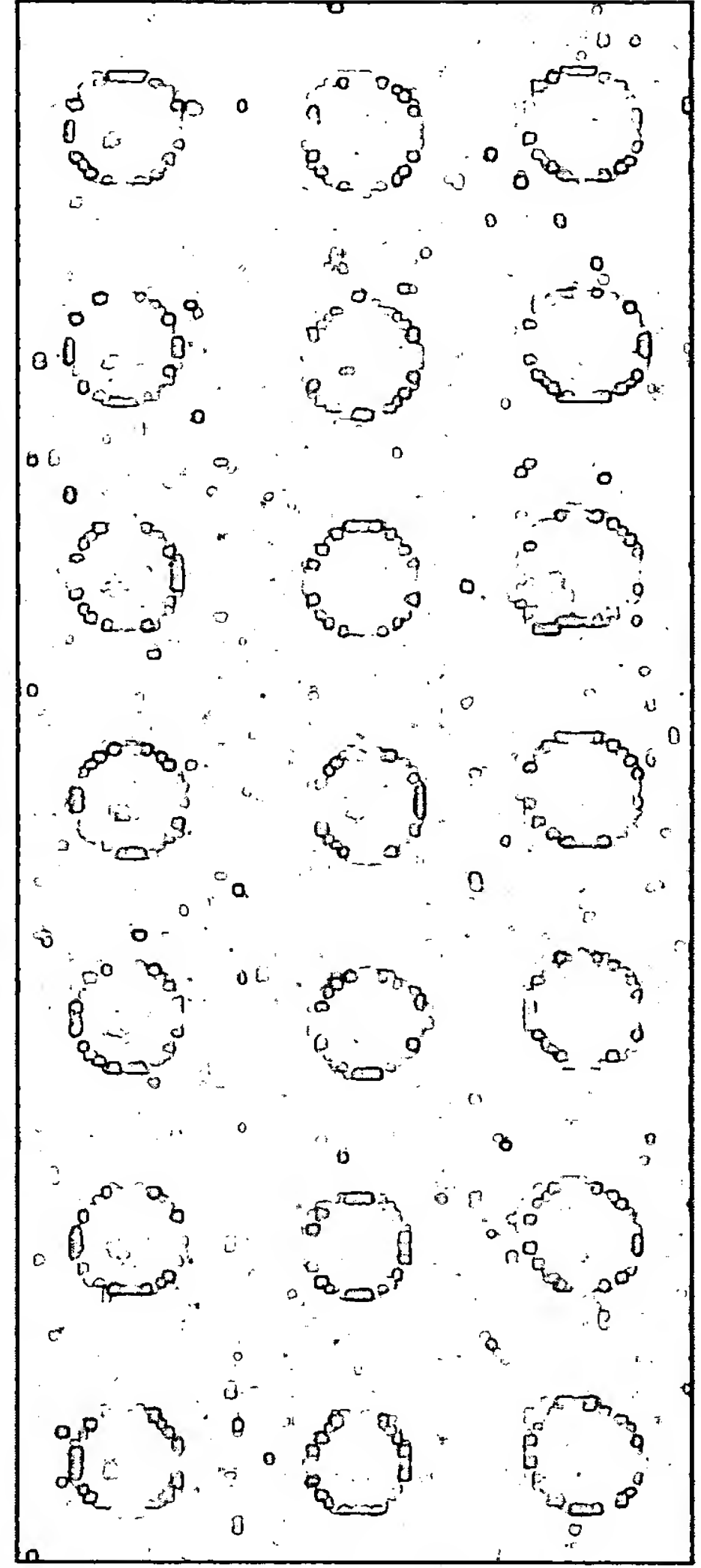


**50 mM sodium phosphate
pH 8.5**

**50 mM sodium phosphate
pH 8.5 and 0.001% SDS**

**1 mM sodium phosphate
pH 8.5 and 50 ug/ml
88% hydrolyzed PVA**

E009 Oligo - Hybridization Signal

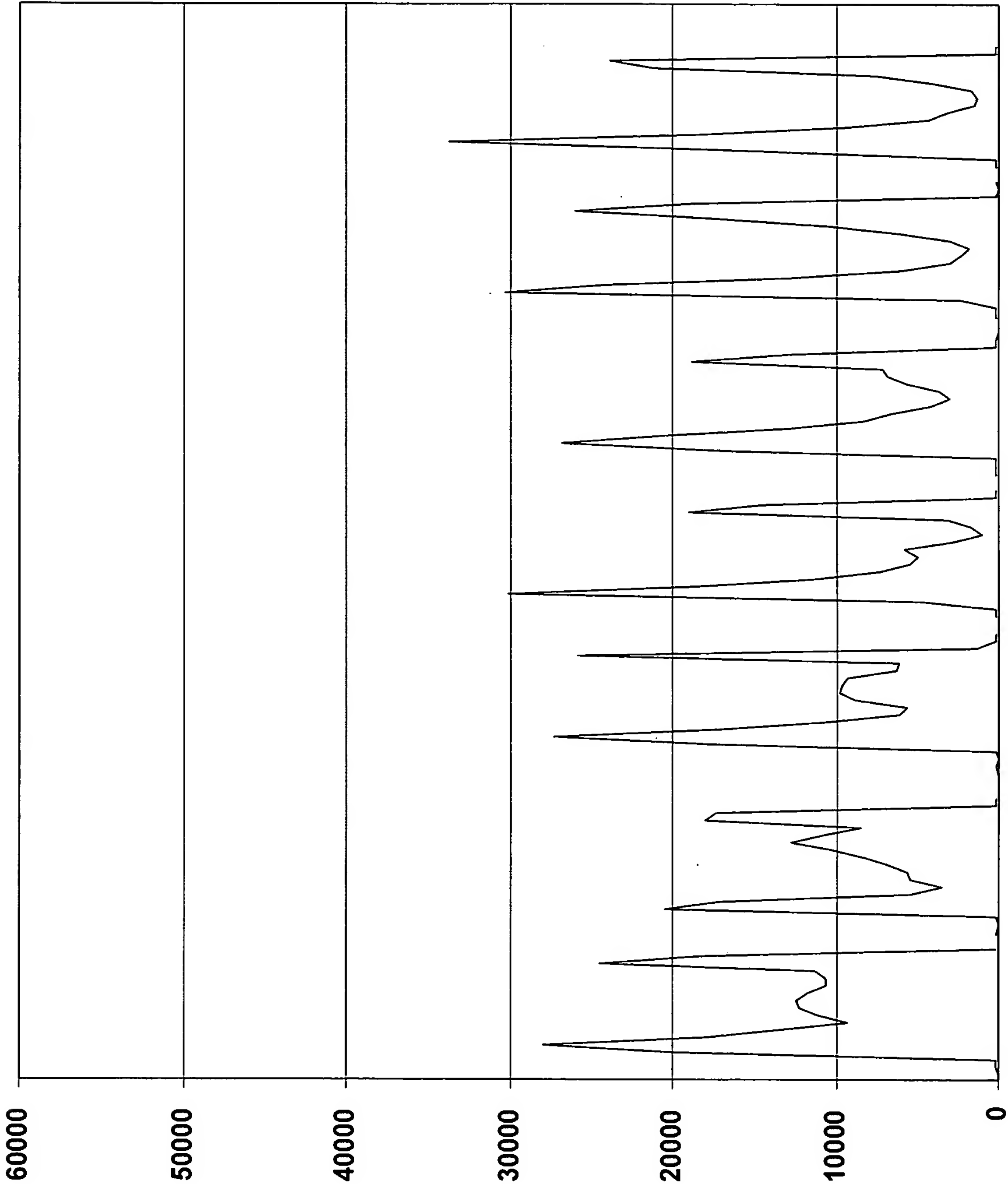


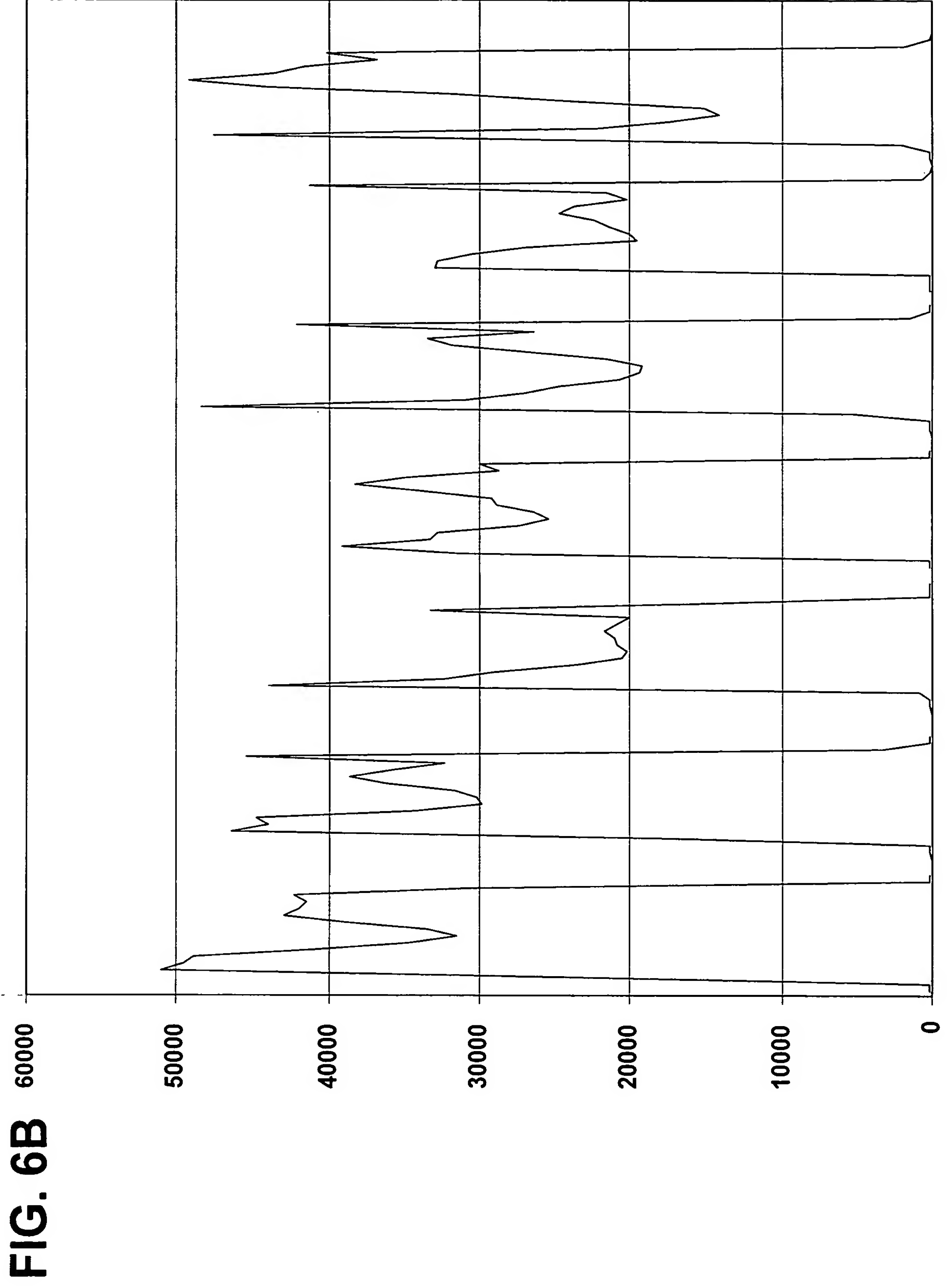
**50 mM sodium phosphate
pH 8.5**

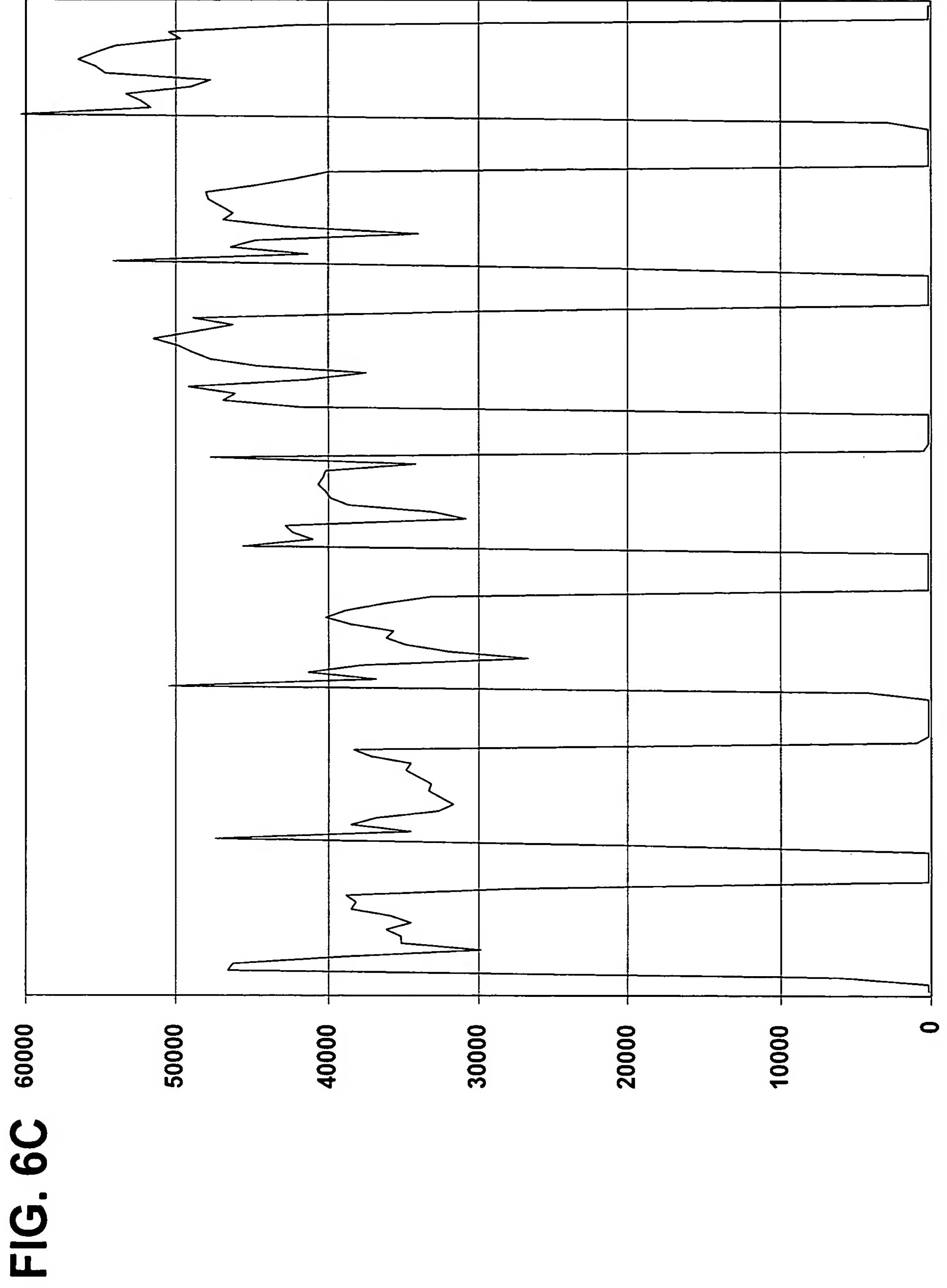
**50 mM sodium phosphate
pH 8.5 and 0.001% SDS**

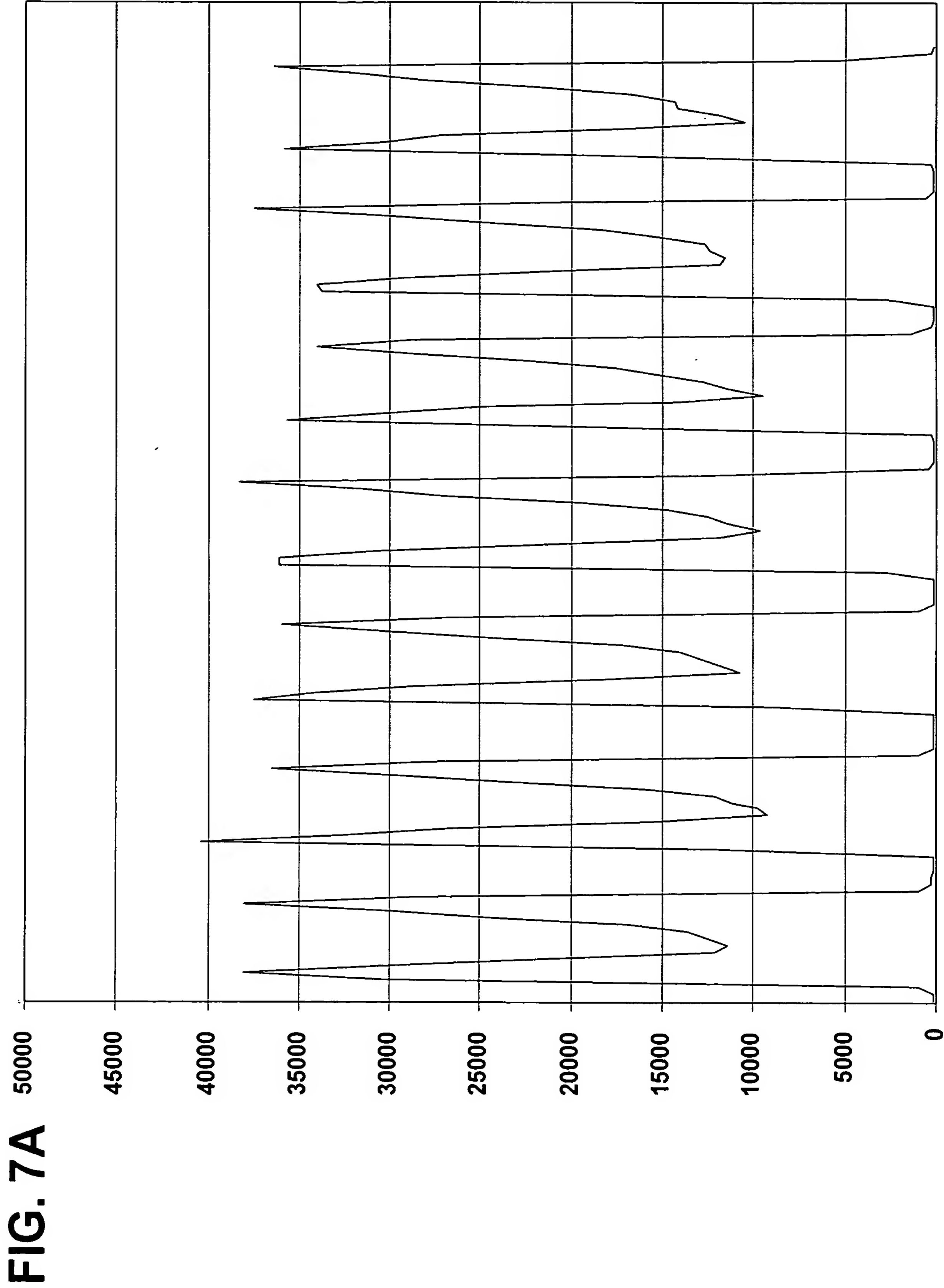
**1 mM sodium phosphate
pH 8.5 and 50 ug/ml
88% hydrolyzed PVA**

FIG. 6A









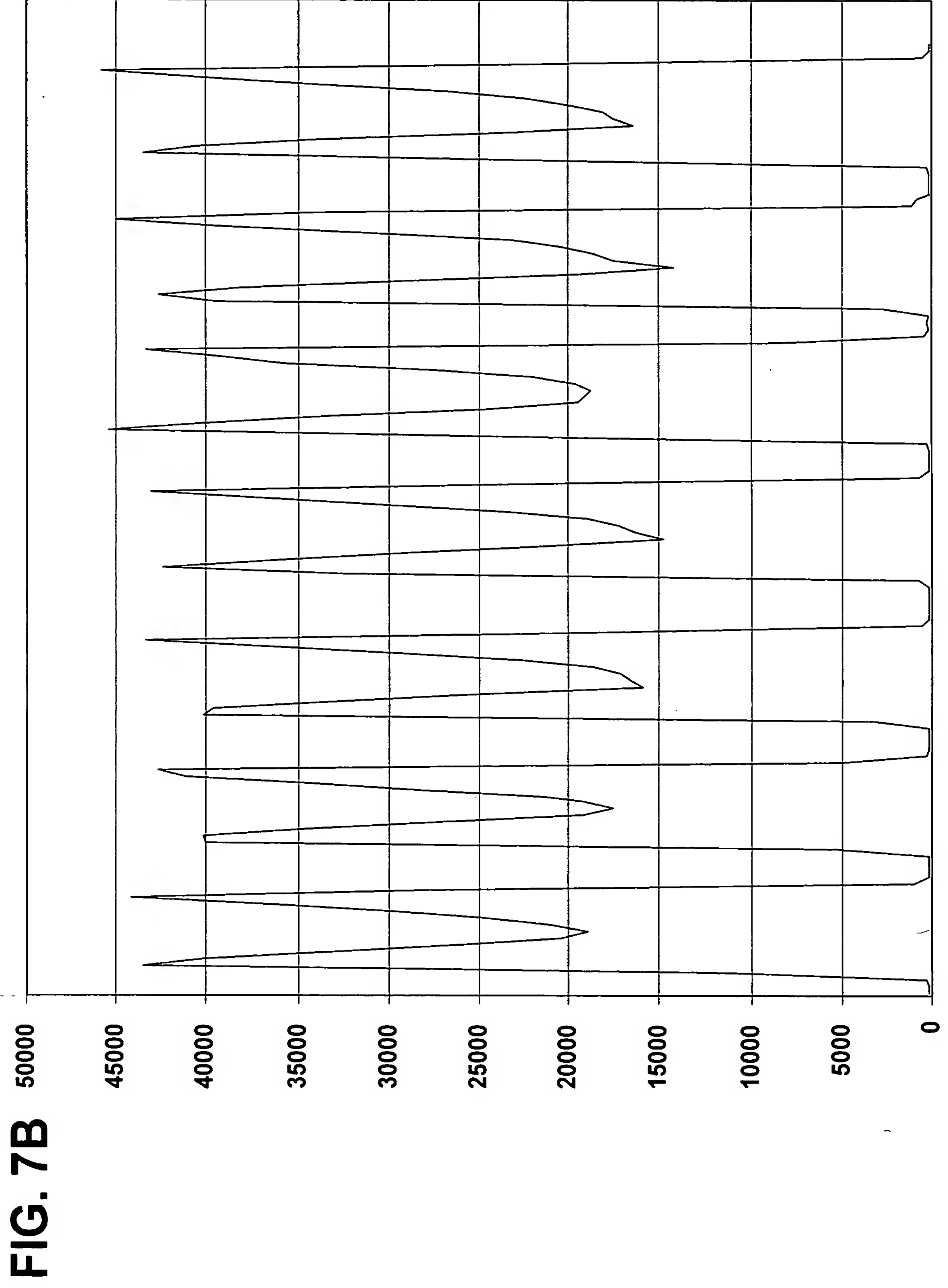


FIG. 7C

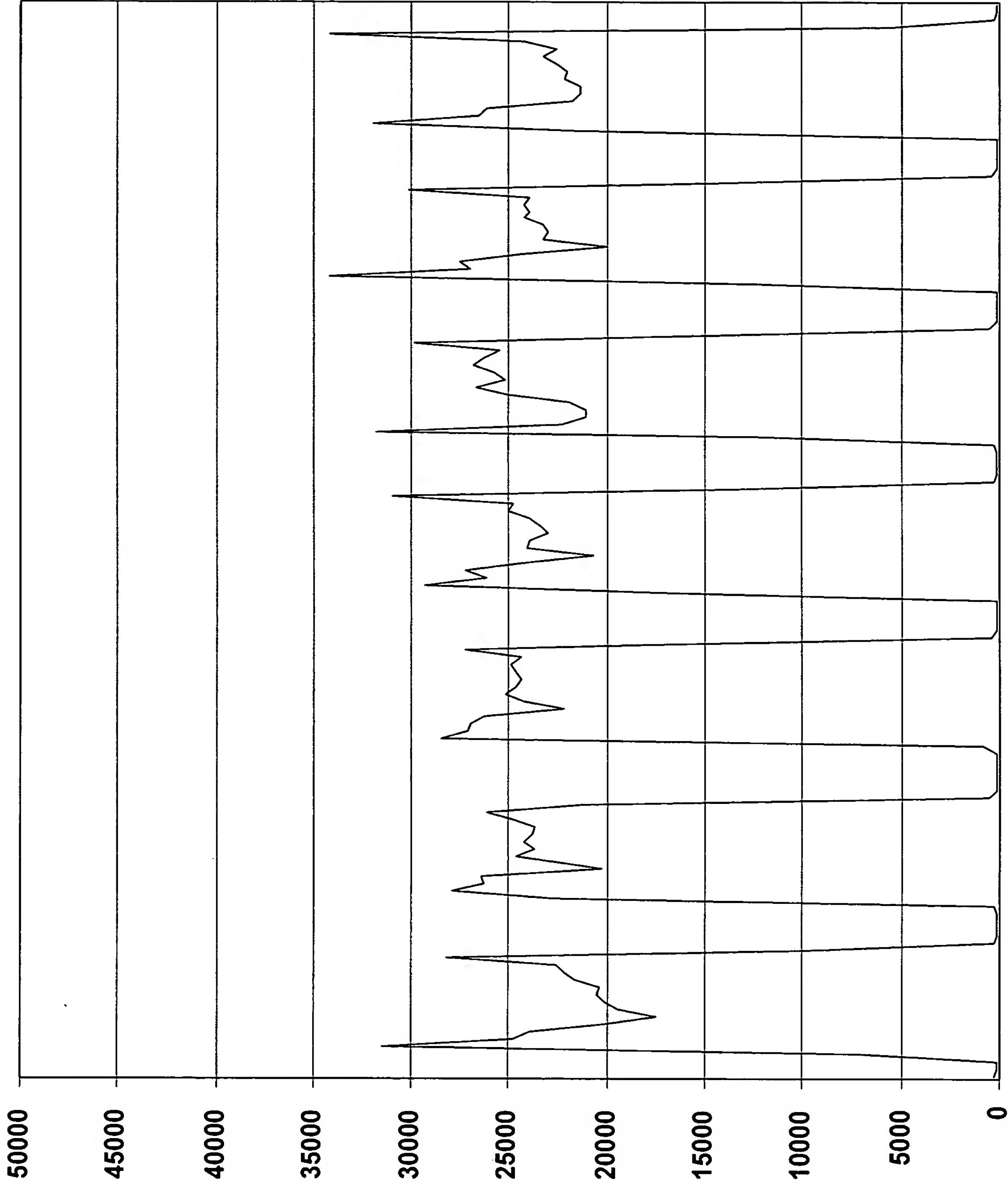


FIG. 8A

RN103

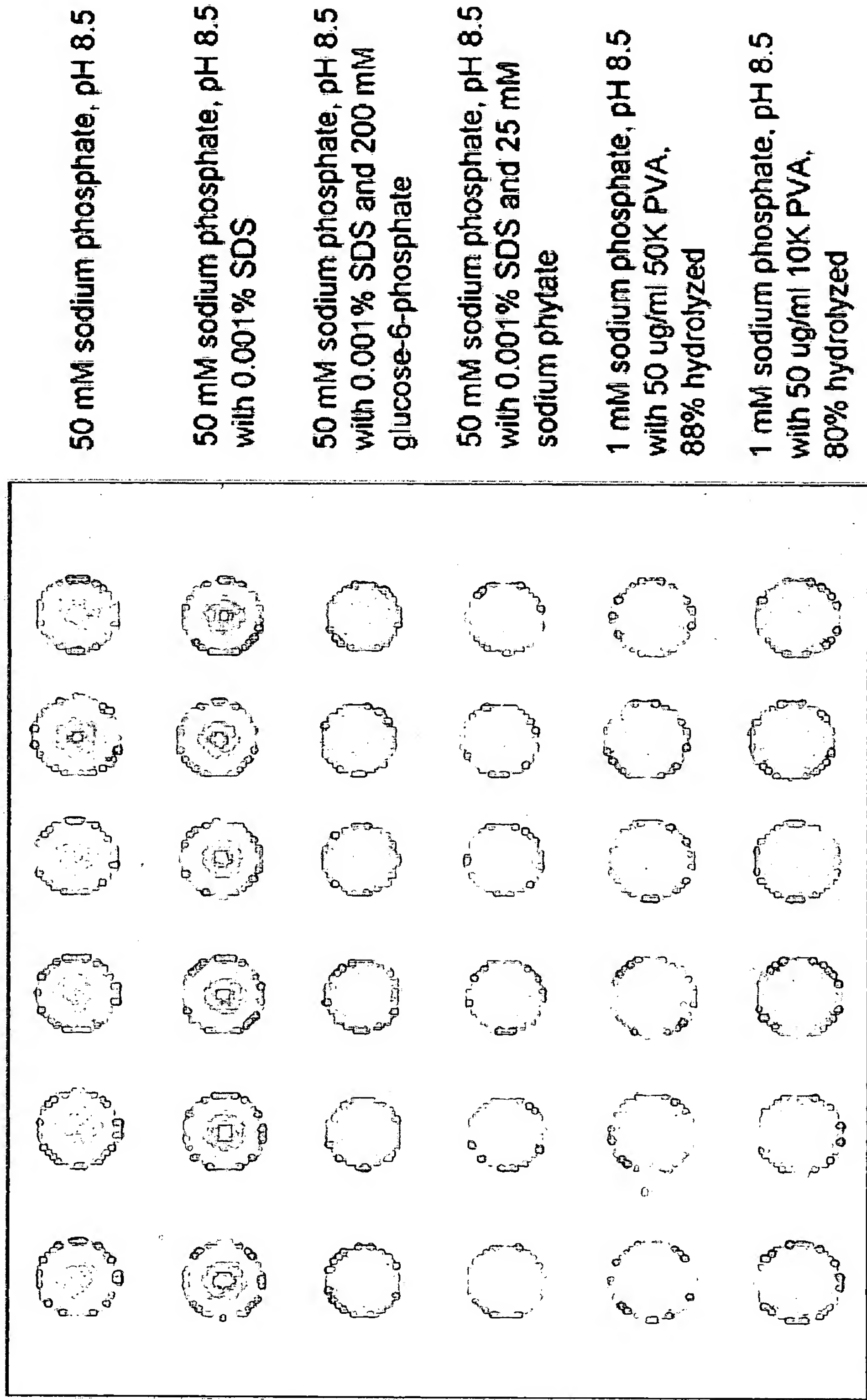


FIG. 8B

BN30

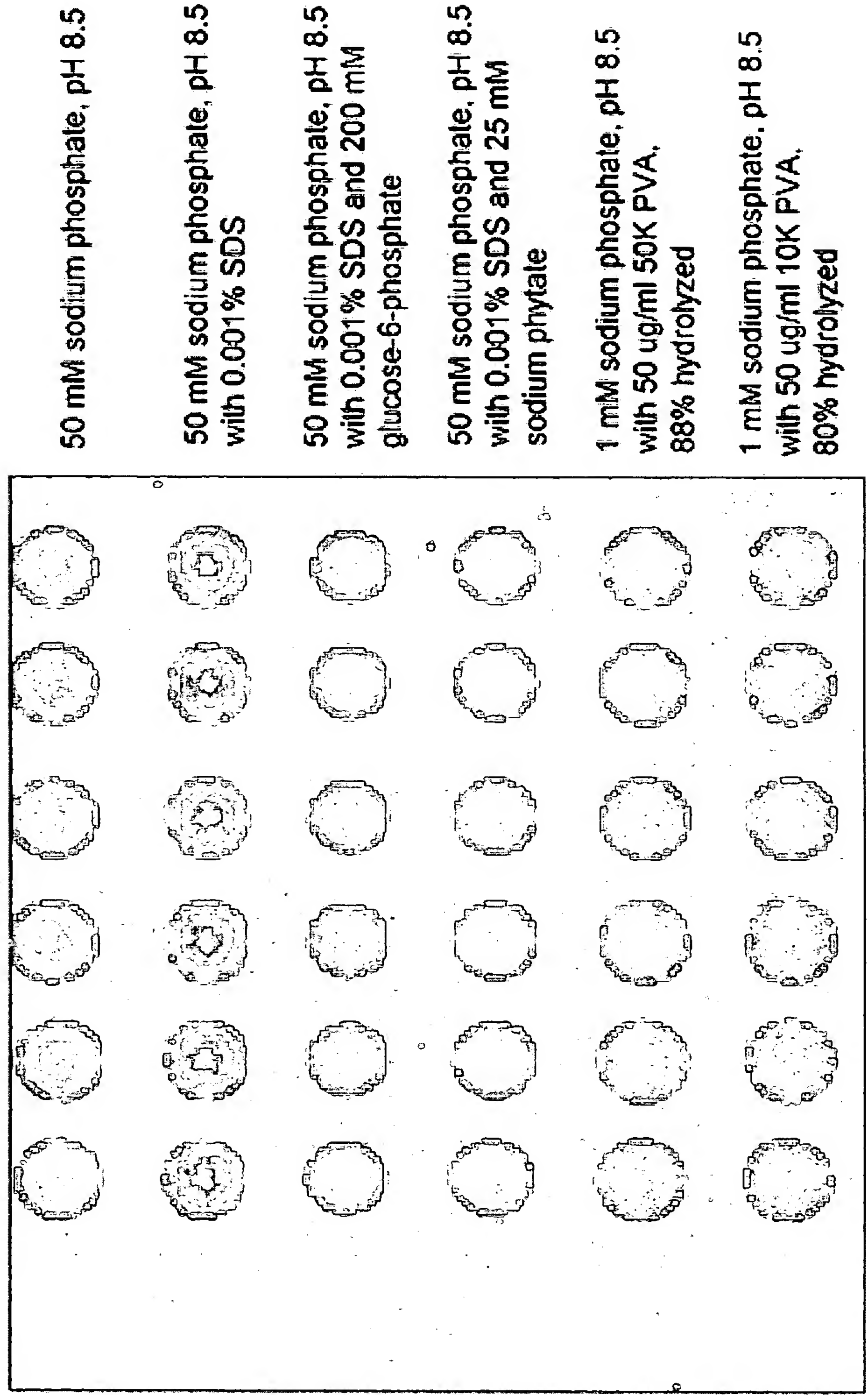
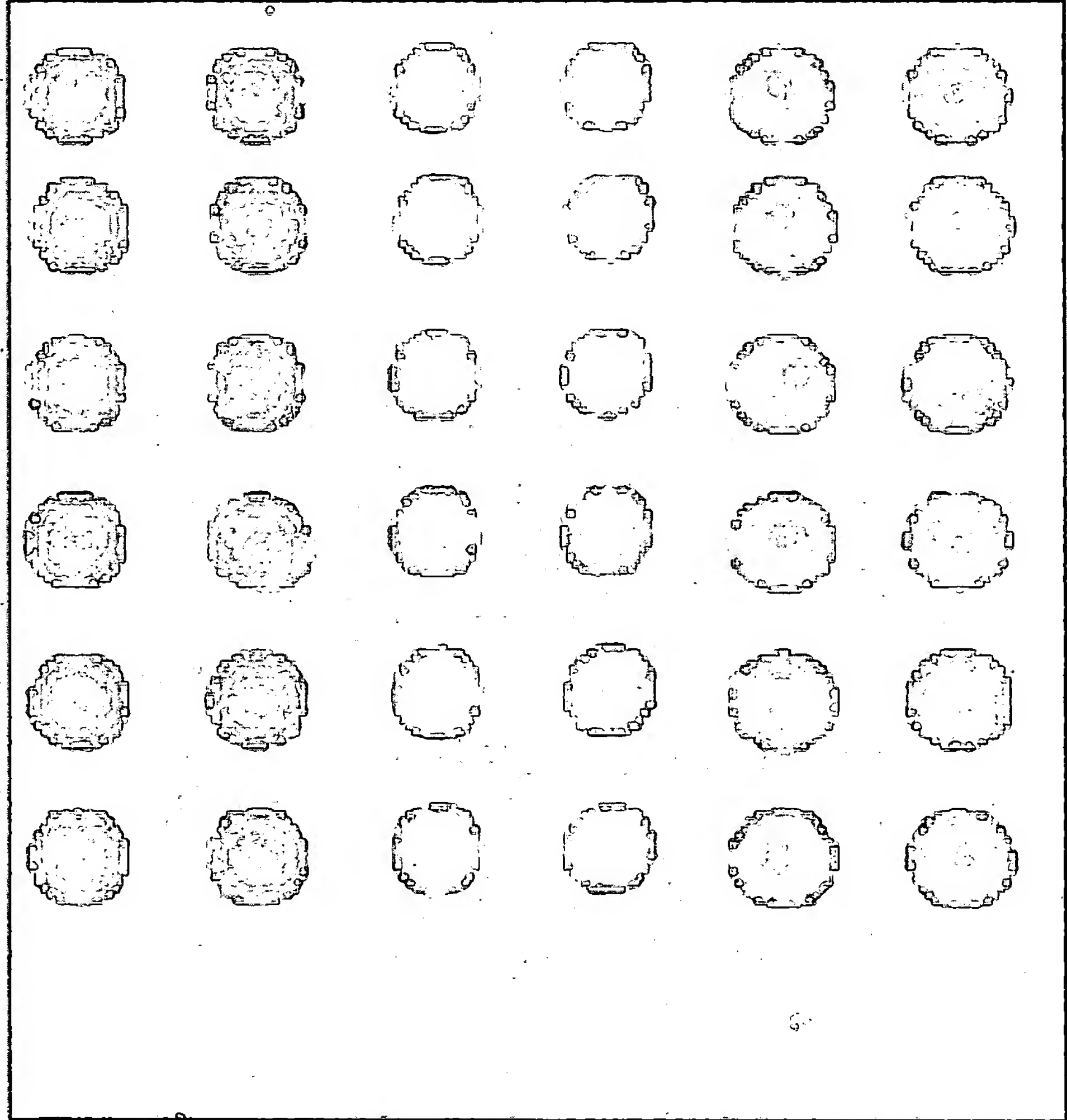


FIG. 8C

5N009



50 mM sodium phosphate, pH 8.5

50 mM sodium phosphate, pH 8.5
with 0.001% SDS

50 mM sodium phosphate, pH 8.5
with 0.001% SDS and 200 mM
glucose-6-phosphate

50 mM sodium phosphate, pH 8.5
with 0.001% SDS and 25 mM
sodium phytate

1 mM sodium phosphate, pH 8.5
with 50 ug/ml 50K PVA,
88% hydrolyzed

1 mM sodium phosphate, pH 8.5
with 50 ug/ml 10K PVA,
80% hydrolyzed

FIG. 8D

5N021

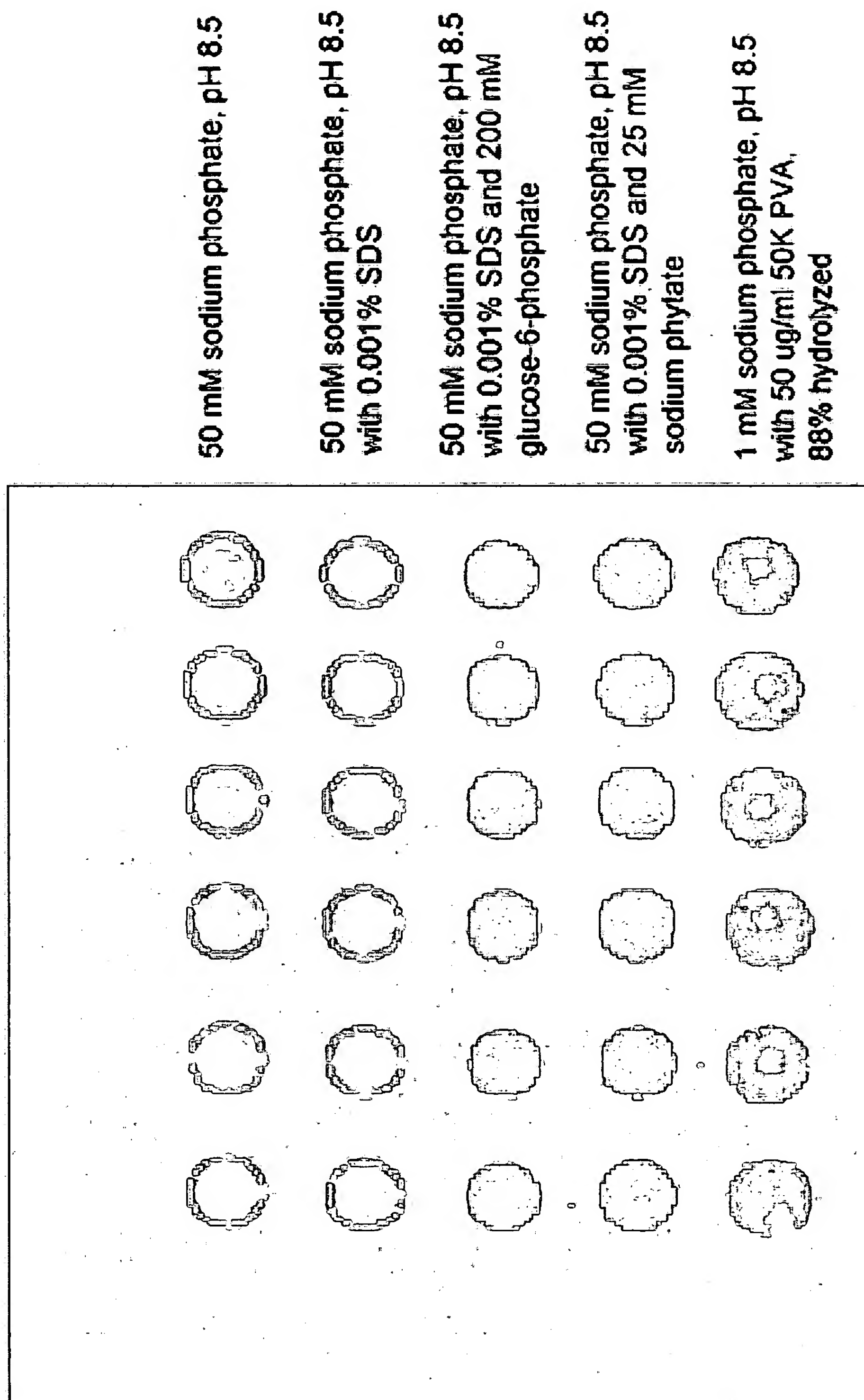
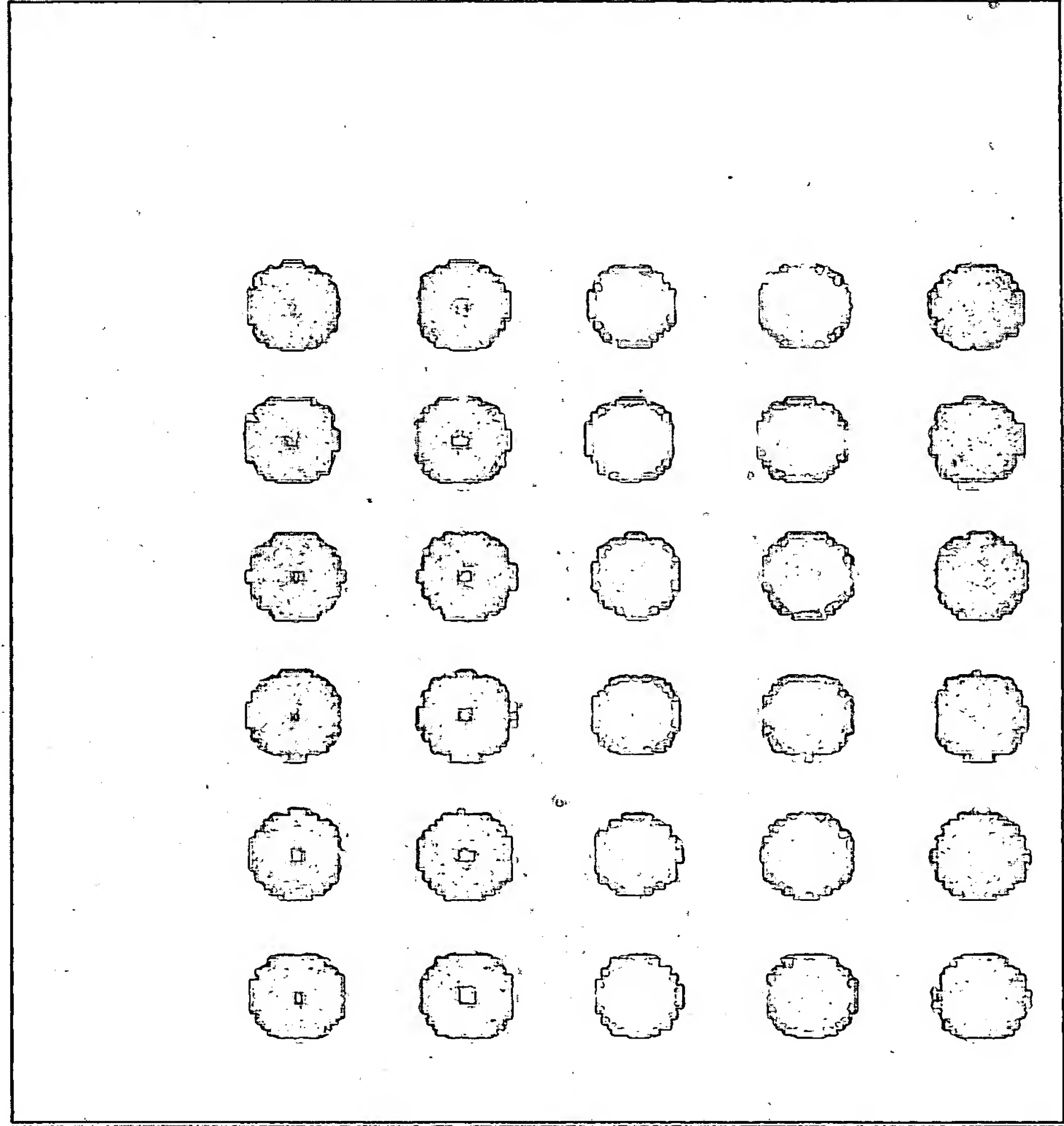


FIG. 8E

5N041



50 mM sodium phosphate, pH 8.5

50 mM sodium phosphate, pH 8.5
with 0.001% SDS

50 mM sodium phosphate, pH 8.5
with 0.001% SDS and 200 mM
glucose-6-phosphate

50 mM sodium phosphate, pH 8.5
with 0.001% SDS and 25 mM
sodium phytate

1 mM sodium phosphate, pH 8.5
with 50 ug/ml 50K PVA,
88% hydrolyzed